

Appl. No. 10/607,901
Amdt. Dated 06/24/2005
Reply to Office action Dated 03/25/2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (original) A method for generating a patient treatment plan, the method comprises the steps of:

- a) providing a list of health care services;
- b) interactively and concurrently selecting a plurality of health care services from the list for proposed treatment of a patient;
- c) inputting digital information regarding the patient;
- d) determining a treatment objective for the patient based on the received digital information;
- e) simulating treatment of the patient using the plurality of health care services based on the received digital information, the treatment objective, and normalized patient data to produce a simulated treatment result; and
- f) generating the patient treatment plan in accordance with the simulating of the treatment when the simulated treatment results have been acknowledged.

Claim 2. (original) The method of claim 1, wherein step (a) further comprises providing a graphic user interface to allow for selection of the list of health care services from a category of well care treatment, emergency treatment, or follow-up treatment.

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Claim 3. (original) The method of claim 1, wherein the list of health care services includes orthodontic services, dental services, cosmetic services including orthognathic, craniofacial, oral, or plastic surgery services, and medical services.

Claim 4. (original) The method of claim 3, wherein the digital information for orthodontics services comprises at least one of: a digital model of the patient's malocclusion, financial constraints, treatment length, desired orthodontic function, desired orthodontic appearance, the patient's dental history, the patient's medical history, and acceptable deviations.

Claim 5. (original) The method of claim 4, wherein step (c) further comprises:

determining whether a sufficient amount of the digital information has been received;
and

when a sufficient amount of the digital information has not been received, prompting for further digital information.

Claim 6. (original) The method of claim 4, wherein the normalized patient data comprises orthodontics and other applicable parameters relating to the patient per said selected health care services and wherein step (d) further comprises:

determining the simulated treatment results per said selected health care services.

Claim 7. (original) The method of claim 6 further comprises, depending upon said selected health care services as applicable:

receiving the dental services from the dental resource;

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receiving the cosmetic surgery services from the cosmetic surgery resource; and

receiving the medical services from the medical resource.

Claim 8. (original) The method of claim 6 further comprises, depending upon said selected health care services as applicable, interacting between: orthodontic resource, dental resource, oral surgery resource, and medical resource to obtain said simulated treatment result.

Claim 9. (original) The method of claim 6 further comprises receiving a revised treatment objective in response to the providing an indication that the treatment objectives cannot be obtained.

Claim 10. (original) A device for generating a patient treatment plan, the device comprises:

a processing module; and

memory operably coupled to the processing module, wherein the memory includes operational instructions that cause the processing module to: (a) provide a list of health care services; (b) prompting a user to interactively and concurrently select a plurality of health care services from the list for proposed treatment of a patient; (c) receiving digital information regarding the patient; (c) determine, either automatically or with user involvement, a treatment objective for the patient based on the received digital information; (d) simulate treatment of the patient using the plurality of selected health care services based on the received digital information, the treatment objective, and normalized patient data to produce a simulated treatment result; and (e) generate the patient treatment plan in accordance with the simulating of the treatment when the simulated treatment results have been acknowledged.

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Claim 11. (original) The device of claim 10, wherein the memory further comprises operational instructions that cause the processing module to provide a graphic user interface to allow for selection of the list of health care services from a category of well care treatment, emergency treatment, or follow-up treatment.

Claim 12. (original) The device of claim 10, wherein the list of health care services includes orthodontic services, dental services, cosmetic services, and medical services.

Claim 13. (original) The device of claim 12, wherein the digital information for orthodontics services comprises at least one of: a digital model of the patient's malocclusion, financial constraints, treatment length, desired orthodontic function, desired orthodontic appearance, the patient's dental history, the patient's medical history, and acceptable deviations.

Claim 14. (original) The device of claim 13, wherein the memory further comprises operational instructions that cause the processing module to determine the treatment objective by:

determining whether a sufficient amount of the digital information has been received;
and

when a sufficient amount of the digital information has not been received, prompting for further disclosure of the digital information.

Claim 15. (original) The device of claim 13, wherein the normalized patient data comprises orthodontics and other applicable parameters relating to the patient per said selected health care services and wherein the memory further comprises operational instructions that cause the processing module to simulate the treatment of the patient by:

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determining the simulated treatment results per said selected health care services.

Claim 16. (original) The device of claim 15, wherein the memory further comprises operational instructions that cause the processing module to, depending upon said selected health care services as applicable:

receive the dental services from the dental resource;

receive the oral surgery services from the oral surgery resource; and

receive the medical services from the medical resource.

Claim 17. (original) The device of claim 15, wherein the memory further comprises operational instructions that cause the processing module to: depending upon said selected health care services as applicable, to interact between orthodontic resource, dental resource,
oral surgery resource, and medical resource to obtain said simulated treatment result.

Claim 18. (original) The device of claim 15, wherein the memory further comprises operational instructions that cause the processing module to receive a revised treatment objective in response to the providing an indication that the treatment objectives cannot be obtained.